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Abstract

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The invention proposes a method and a measuring system for testing the function of LCD displays comprising individual display segments, based on the difference in the electrical capacitance C_{seg} of defective and intact display segments. The method is based on the direct determination of the capacitance of the display segments with a capacitance measuring method by measuring the stored electrical charge. As a preferred measuring method, a method is proposed, in which a charge transfer through a reference capacitor C_{ref} proceeds and the segment capacitance C_{seg} is determined by means of a charge balance, preferably by means of a $\Delta\Sigma$ conversion.

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(Fig. 4)